

Exhibit B

Table 7

Lines 188035 - 188829

GAM NAME	GAM RNA SEQUENCE	TARGET	TARGET REF-ID	UTR	TARGET	BS-SEQ	BINDING-SITE (UPPER:GAM;LOWER:TARGET)	DRAW	GAM POS
=====	=====	=====	=====	===	=====	=====	=====	=====	===
GAM2608	TAAGGTGCATC TAGTGCAGTTA	ABCC3	NM_020038.1	3	TAGCAAACACTGG GGGCACCTTA		AT CA- TAAGGTGC CTAGTG GTTA ATTCCACG GGTCCAC CGAT GG AAA		A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	ARCN1	NM_001655.3	3	TAACTGCATCAGG GAAGAATTCTTA		TGCA--- A TAAGG TCT GTGCAGTTA ATTCT GGA TACGTCAAT TAAGAAG C		A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	ARHGEF7	NM_003899.2	3	TAACTGCACCTGA ATCCTTTGTGTAC T	TAA GGTGCA TCATGT ---	----- TA TC GTGCAGTTA AG CACGTCAAT GTTTCCTA TC		A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	ATP7A	NM_000052.1	3	GACTCACCTATGT GGCACCTTA		- C - C TAAGGTGC AT TAG TG AGTT ATTCCACG TG ATC AC TCAG G T C -		A

GAM2608	TAAGGTGCATC AXL TAGTGCAGTTA	NM_021913.2	3	CCACTGCACTCAA CCTTA	GCATCT TAAGGT ATTCCA AC----	TA AGTGCAGT TCACGTCA CC	A
GAM2608	TAAGGTGCATC BACE TAGTGCAGTTA	NM_138972.1	3	CACTGCACTTGGT GCTGCTTTG	- T TAAGGT GCATC AGTGCAGT GTTTCG CGTGG TCACGTCA T T C	T	A
GAM2608	TAAGGTGCATC BACE TAGTGCAGTTA	NM_138973.1	3	CCACTGCACTTGG TGCTGCTTTG	- T TAAGGT GCATC AGTGCAGT GTTTCG CGTGG TCACGTCA T T CC	TA	A
GAM2608	TAAGGTGCATC BENE TAGTGCAGTTA	NM_005434.2	3	TAACTGCACGTGC CTTC	T TG ATCTA AAGG C GTGCAGTTA TTCC G CACGTCAAT C GT -----		A
GAM2608	TAAGGTGCATC BRCA2 TAGTGCAGTTA	NM_000059.1	5	GAAGTGCACCTCT GGAGCGGACTTA	G- A --- TAAG TGC TCTA GTGCAGTT ATTG GCG AGGT CACGTCAA AG - CTC G	A	A
GAM2608	TAAGGTGCATC C7 TAGTGCAGTTA	NM_000587.1	3	GATTGCACTAGAG AAACTTGAATGCT	TA----- GCA AGGT TCTAGTGCAGTT TTCA AGATCACGTTAG TCGTAAG AAG		A
GAM2608	TAAGGTGCATC CALCB TAGTGCAGTTA	NM_000728.2	3	TAATTGCCCTGC ACCTTT	T TCTAGT AAGGTGCA GCAGTTA TTCCACGT CGTTAAT T CCC---		A
GAM2608	TAAGGTGCATC CALCB TAGTGCAGTTA	NM_000728.2	3	TAATTGCCCTGC ACCTTTGTCAA	T----- TCTAGT AAGGTGCA GCAGTTA TTCCACGT CGTTAAT AACTGT CCC---		A
GAM2608	TAAGGTGCATC CASP3 TAGTGCAGTTA	NM_032991.1	3	TAACTGCATTTTA GACCATTAT	TA CA -- AGGTG TCTA GTGCAGTTA TTTAC AGAT TACGTCAAT		A

					TA	C-	TT	
GAM2608	TAAGGTGCATC CCR2	NM_000648.1	3	TATGGCACCCATG		CTA	AGTT	A
	TAGTGCACTTA			CACCTTA	TAAGGTGCAT	GTGC		
					ATTCCACGTA	CACG		
					CC-	GTAT		
GAM2608	TAAGGTGCATC CCR3	NM_178329.1	5	AACTGCACGAAAG	T-----	ATCTA		A
	TAGTGCACTTA			TATCTTTCTGAAA	AAGGTGC	GTGCAGTT		
					TTCTATG	CACGTCAA		
				AAAGTCT	AAAG-			
GAM2608	TAAGGTGCATC COCH	NM_004086.1	3	TAACTGCAGAAAA	G	TCTAG-----		A
	TAGTGCACTTA			AATATTGTAGTTT	TAAG TGCA	TGCAGTTA		
				G	GTTT ATGT	ACGTCAAT		
					G	TATAAAAAAG		
GAM2608	TAAGGTGCATC CREBL2	NM_001310.2	3	AGATTGTATTTTT		TCT	A	A
	TAGTGCACTTA			GCACCTTA	TAAGGTGCA	AGTGCAGTT		
					ATTCCACGT	TTATGTTAG		
					TT-	A		
GAM2608	TAAGGTGCATC CREBL2	NM_001310.2	3	GATTGTATTTTTG		TCT		A
	TAGTGCACTTA			CACCTTA	TAAGGTGCA	AGTGCAGTT		
					ATTCCACGT	TTATGTTAG		
					TT-			
GAM2608	TAAGGTGCATC CTNNA1	NM_001903.1	3	TAACTGCAGTGT		CATC G		A
	TAGTGCACTTA			TCCGCCTTG	TAAGGTG	TA TGCAGTTA		
					GTCCGC	GT ACGTCAAT		
					CTTT	G		
GAM2608	TAAGGTGCATC DDEF2	NM_003887.1	3	TAACTGCATTGT	TAA	T-----		A
	TAGTGCACTTA			TGTGATGGTGCAT	GGTGCATC	AGTGCAGTTA		
				T	TTACGIGG	TTACGTCAAT		
				---		TAGTGTGT		
GAM2608	TAAGGTGCATC DMN	NM_015286.4	3	AGACTTGCGCTTC		TCT-	- A	A
	TAGTGCACTTA			CTGCACTTA	TAAGGTGCA	AGTGCA GTT		
					ATTCCACGT	TCGCGT CAG		
					CTCT	T A		

GAM2608	TAAGGTGCATC DMN TAGTGCAGTTA	NM_145728.1	3	GACTTGCCTTCT CTGCACCTTA TCT- TAAGGTGCA AGTGCA GTT ATTCCACGT TCGCGT CAG CTCT T	A
GAM2608	TAAGGTGCATC DNASE1 TAGTGCAGTTA	NM_005223.2	5	CCACTGCACTCCA GCCTTG GCATCT TAAGGT AGTGCAGT GTTCCG TCACGTCA ACC--- CC	A
GAM2608	TAAGGTGCATC E2F1 TAGTGCAGTTA	NM_005225.1	3	TAACTGCACTTTC T GGCCCTTT AAGG GC AGTGCAGTTA TTCC CG TCACGTCAAT T - GCTT	A
GAM2608	TAAGGTGCATC E2F1 TAGTGCAGTTA	NM_005225.1	3	TAACTGCACTTTC T----- GGCCCTTTTGCTC G AAGG GC AGTGCAGTTA TTCC CG TCACGTCAAT GCTCGTT - GCTT	A
GAM2608	TAAGGTGCATC EGR4 TAGTGCAGTTA	NM_001965.1	3	TAACTGCACACGC T CCCACGCCTTC AAGGTG GTGCAGTTA TTCCGC CACGTCAAT C ACCCCGCA	A
GAM2608	TAAGGTGCATC ELAVL2 TAGTGCAGTTA	NM_004432.1	5	GAACTGCACCGTT ACTTTA C CTA A TAAGGTG AT GTGCAGTT ATTTTCAT TG CACGTCAA - C-- G	A
GAM2608	TAAGGTGCATC EML1 TAGTGCAGTTA	NM_004434.1	3	TGAATGATGAAGT T GCACCTTT AAGGTGCAT GT CAGTTA TTCCACGTG TA GTCAGT T AAG -	A
GAM2608	TAAGGTGCATC EML1 TAGTGCAGTTA	NM_004434.1	3	TGAATGATGAAGT T----- GCACCTTTCAAAA AAGGTGCAT GT CAGTTA TTCCACGTG TA GTCAGT AAAACT AAG -	A
GAM2608	TAAGGTGCATC ENC1 TAGTGCAGTTA	NM_003633.1	3	AATCTGCTGCACC TTG TCTAGT TTA TAAGGTGCA GCAG GTTCCACGT CGTC	A

						-----	TAA	
GAM2608	TAAGGTGCATC ESRRG	NM_001438.1	3	GAAGTGCACGGGC	GCAT	A	A	A
	TAGTGCAGTTA			TTTA	TAAGGT	CT	GTGCAGTT	
					ATTTCG	GG	CACGTCAA	
					----	-	G	
GAM2608	TAAGGTGCATC EXT1	NM_000127.1	5	AGCTGCAAGATGC	TAA-----		AG	A
	TAGTGCAGTTA			ACTAGCCGGCT		GGTGCATCT	TGCAGTT	
						TCACGTAGA	ACGTCGA	
					TCGGCCGA	--		
GAM2608	TAAGGTGCATC FACL3	NM_004457.2	3	TAGCTTATTTAAA	ATCT--		C	A
	TAGTGCAGTTA			AAGCACCTTA	TAAGGTGC		AGTG AGTTA	
					ATTCCACG		TTAT TCGAT	
					AAAAAT	-		
GAM2608	TAAGGTGCATC FBXL3A	NM_012158.1	3	AACTGCATGATG	A--	TA-	A	A
	TAGTGCAGTTA			AATAGCACCTTA	TAAGGTGC	TC	GTGCAGTT	
					ATTCCACG	AG	TACGTCAA	
					ATA	TAG	A	
GAM2608	TAAGGTGCATC FBXL3A	NM_012158.1	3	AACTGCATGATGA	A--	TA-		A
	TAGTGCAGTTA			ATAGCACCTTA	TAAGGTGC	TC	GTGCAGTT	
					ATTCCACG	AG	TACGTCAA	
					ATA	TAG		
GAM2608	TAAGGTGCATC FNTA	NM_002027.1	3	TAAGTGCAGGTCA	TA	C	AGT	A
	TAGTGCAGTTA			CTTGT	AGGTG	ATCT	GCAGTTA	
					TTCAC	TGGA	CGTCAAT	
					TG	-	---	
GAM2608	TAAGGTGCATC FOSB	NM_006732.1	5	CGGCTCACCCCGG	--	A--	C	A
	TAGTGCAGTTA			ACTTGACACCTTA	TAAGGTGCA	TCT	GTG AGTT	A
					ATTCCACGT	AGG	CAC TCGG	
						TC	CCC - C	
GAM2608	TAAGGTGCATC G6PC	NM_000151.1	5	TAAGTGCAGGGC	T	-	T-----	AG
	TAGTGCAGTTA			TCTGCTGACATCT	AAGGTG	CA	CT	TGCAGTTA
				T	TTCTAC	GT	GG	ACGTCAAT
					-	A	CGTCTC	GA

GAM2608	TAAGGTGCATC GAS2 TAGTGCAGTTA	NM_177553.1	5	TAAGTGCAGCTGG TAA T ----- - GGTCTGATTGCC GG GCA TCTAG TGCAGTT C CC CGT GGGTC ACGTCAA --- - TTAGTCTG G	A
				A T	
GAM2608	TAAGGTGCATC GJB3 TAGTGCAGTTA	NM_024009.1	5	TAAGTGCAGCTTC AG ATCT- - ACAGTATAGTA TA GTGC AGT GCAGTTA AT TATG TCA CGTCAAT GA ACACT A	A
GAM2608	TAAGGTGCATC GLRA3 TAGTGCAGTTA	NM_006529.1	5	GAAGTGTGCCCCA ATCTAGT A GCACCTTA TAAGGTGC GCAGTT ATTCCACG TGTCAA ACCCGT- G	A
GAM2608	TAAGGTGCATC GLRB TAGTGCAGTTA	NM_000824.2	3	TGATTGTAATAAA ATC ----- ACTGTGGCACCTT TAAGGTGC TAGT GCAGTTA A ATTCCACG GTCA TGTTAGT GT- AAATAA	A
GAM2608	TAAGGTGCATC GLS TAGTGCAGTTA	NM_014905.2	3	TACATGCCTGATG - T T - T GCACCTTA TAAGGTGC ATC AG GCA GT ATTCCACG TAG TC CGT CA G - - A T	A
GAM2608	TAAGGTGCATC GLS TAGTGCAGTTA	NM_014905.2	3	TTACATGCCTGAT - T T - TA GGCACCTTA TAAGGTGC ATC AG GCA GT ATTCCACG TAG TC CGT CA G - - A TT	A
GAM2608	TAAGGTGCATC GLUD1 TAGTGCAGTTA	NM_005271.1	3	TAAGTGCATGGCT TA GCATCTA TAACCTGG AGGT GTGCAGTTA TCCA TACGTCAAT GG ATTCGG-	A
GAM2608	TAAGGTGCATC GPR81 TAGTGCAGTTA	NM_032554.2	3	GAAGTGCACAGCC T ATCTA A CTTG TAAGG GC GTGCAGTT	A

						GTTCC CG	CACGTCAA		
						- A----	G		
GAM2608	TAAGGTGCATC	GRIA1	NM_000827.2	3	AAACTGCACTGTT	CATC	A		A
	TAGTGCAGTTA				TTATTTTA	TAAGGTG	TAGTGCAGTT		
						ATTTTAT	GTCACGTCAA		
						TTT-	A		
GAM2608	TAAGGTGCATC	GRIA1	NM_000827.2	3	AACTGCACTGTTT	CATC			A
	TAGTGCAGTTA				TATTTTA	TAAGGTG	TAGTGCAGTT		
						ATTTTAT	GTCACGTCAA		
						TTT-			
GAM2608	TAAGGTGCATC	GRM1	NM_000838.2	3	TAAGTGAATTAG	T --- -			A
	TAGTGCAGTTA				AAATTGCTTTTG	TAAGG GCA	TCTAGT GCAGTTA		
						GTTTT TGT	AGATTA CGTCAAT		
						C TAA	A		
GAM2608	TAAGGTGCATC	GTF2H1	NM_005316.2	5	TAGCTTCCACCTG	T TCTA C-			A
	TAGTGCAGTTA				CACCTTC	AAGGTGCA	GTG AGTTA		
						TTCCACGT	CAC TCGAT		
					C	C---	CT		
GAM2608	TAAGGTGCATC	H3F3B	NM_005324.2	3	TGACTGCACTTGT	AG CATCT-			A
	TAGTGCAGTTA				TCATAGTA	TA GTG	AGTGCAGTTA		
						AT TAC	TCACGTCAGT		
						GA TCTTGT			
GAM2608	TAAGGTGCATC	HMGA2	NM_003483.3	3	TAAGTGCAGTTGA	T G TCTAG			A
	TAGTGCAGTTA				CTTTC	AAGGT CA	TGCAGTTA		
						TTTCA GT	ACGTCAAT		
					C	- TG---			
GAM2608	TAAGGTGCATC	HPSE	NM_006665.2	3	AAACTATCTATTT	TC TGC	A		A
	TAGTGCAGTTA				GCACCTTA	TAAGGTGCA	TAG AGTT		
						ATTCCACGT	ATC TCAA		
						TT TA-	A		
GAM2608	TAAGGTGCATC	HPSE	NM_006665.2	3	AACTATCTATTTG	TC TGC			A
	TAGTGCAGTTA				CACCTTA	TAAGGTGCA	TAG AGTT		
						ATTCCACGT	ATC TCAA		
						TT TA-			

GAM2608	TAAGGTGCATC HSD17B4 NM_000414.1	3	TAAGTGCAGATT T	C-- AGT	A
	TAGTGCAGTTA		TCATTTTC	AAGGTG ATCT GCAGTTA	
				TTTTAC TAGA CGTCAAT	
			C	TTT ---	
GAM2608	TAAGGTGCATC ICMT NM_012405.2	3	TCAGTGCAGTTTC	GCATCT-- TA	A
	TAGTGCAGTTA		TTCTGCCTTA	TAAGGT AGTGCAGT	
				ATTCCG TCACGTCA	
				TCCTTCTT CT	
GAM2608	TAAGGTGCATC IFNA1 NM_024013.1	3	TAACGTCATGTGC T	CTA CA	A
	TAGTGCAGTTA		ACCTTT	AAGGTGCAT GTG GTTA	
				TTCCACGTG TAC CAAT	
			T	--- TG	
GAM2608	TAAGGTGCATC IKBKGM NM_003639.2	3	GAGCTGGCCGCGG	ATCTA G A	A
	TAGTGCAGTTA		CACCTTA	TAAGGTGC GT CAGTT	
				ATTCCACG CG GTCGA	
				GCGC- - G	
GAM2608	TAAGGTGCATC IL1RN NM_173843.1	5	TAAGTGCATAAGT T	G -- A	A
	TAGTGCAGTTA		AATGACTTTTC	AAGGT CAT CT GTGCAGTTA	
				TTTCA GTA GA TACGTCAAT	
			C	- AT A	
GAM2608	TAAGGTGCATC IL1RN NM_173843.1	5	TAAGTGCATAAGT T----	G -- A	A
	TAGTGCAGTTA		AATGACTTTTCAGT	AAGGT CAT CT GTGCAGTTA	
			G	TTTCA GTA GA TACGTCAAT	
			GTGAC	- AT A	
GAM2608	TAAGGTGCATC IRAK1 NM_001569.2	3	TGAGTGCAGTCCA TA	GCATCT	A
	TAGTGCAGTTA		GCCTGG	AGGT AGTGCAGTTA	
				TCCG TCACGTCACT	
			GG	ACC---	
GAM2608	TAAGGTGCATC IREB2 XM_039114.3	3	TAAGTGCAAGGGA TA	G- AG	A
	TAGTGCAGTTA		TGGAACCTGC	AGGT CATCT TGCAGTTA	
				TCCA GTAGG ACGTCAAT	
			CG	AG GA	
GAM2608	TAAGGTGCATC IRF2 NM_002199.2	3	ACATTGCAGTCTG	TC-- -- TA	A

	TAGTGCAGTTA				CTTCTGCACCTTA	TAAGGTGCA	TAG	TGCAGT	
						ATTCCACGT	GTC	ACGTTA	
							CTTC	TG	CA
GAM2608	TAAGGTGCATC ITGA2	NM_002203.2	3	AATTAGCAGGTGC	T-----		A	GC	A
	TAGTGCAGTTA			ACCTTCTGTGG		AAGGTGCATCT	GT	AGTT	
						TTCCACGTGGA	CG	TTAA	
				GGTGTC		-	A-		
GAM2608	TAAGGTGCATC ITPKB	NM_002221.1	3	AACTGCACTACAA		CATC-			A
	TAGTGCAGTTA			GACACTTTG	TAAGGTG	TAGTGCAGTT			
					GTTTCAC	ATCACGTCAA			
					AGAAC				
GAM2608	TAAGGTGCATC ITPKB	NM_002221.1	3	GAAGTGCATACA		CATC-	A		A
	TAGTGCAGTTA			AGACACTTTG	TAAGGTG	TAGTGCAGTT			
					GTTTCAC	ATCACGTCAA			
					AGAAC		G		
GAM2608	TAAGGTGCATC JRK	NM_003724.1	5	TGACTGCACTGCC	TA	----	AT	---	A
	TAGTGCAGTTA			AGGAGCCAAGGCC	AGGT	GC	CT	AGTGCAGTTA	
				T	TCCG	CG	GA	TCACGTCAGT	
					--	GAAC	AG	CCG	
GAM2608	TAAGGTGCATC KIF3B	NM_004798.2	3	GGTCTGCCACACT		T	---	TTA	A
	TAGTGCAGTTA			GGTGCACCTTG	TAAGGTGCA	CTAGT	GCAG		
					GTTCCACGT	GGTCA	CGTC		
					-	CAC	TGG		
GAM2608	TAAGGTGCATC KIF3B	NM_004798.2	3	GTCTGCCACACTG		T	---	TT	A
	TAGTGCAGTTA			GTGCACCTTG	TAAGGTGCA	CTAGT	GCAG		
					GTTCCACGT	GGTCA	CGTC		
					-	CAC	TG		
GAM2608	TAAGGTGCATC LAMP1	NM_005561.2	3	TACTGCACTCAGA	GC--	-		T	A
	TAGTGCAGTTA			TTTAAGCCTTA	TAAGGT	ATCT	AGTGCAGT		
					ATTCCG	TAGA	TCACGTCA		
					AATT	C		T	
GAM2608	TAAGGTGCATC LAMP1	NM_005561.2	3	TTACTGCACTCAG	GC--	-		TA	A
	TAGTGCAGTTA			ATTTAAGCCTTA	TAAGGT	ATCT	AGTGCAGT		
					ATTCCG	TAGA	TCACGTCA		
					AATT	C		TT	

GAM2608	TAAGGTGCATC LHCGR	NM_000233.1	3	TAAGTGCATTATT	T -- --	A
	TAGTGCAGTTA			GAATTGTTCTTA	TAAGG GCA TC TAGTGCAGTTA	
					ATTCT TGT AG ATTACGTCAAT	
					- TA TT	
GAM2608	TAAGGTGCATC LHX1	NM_005568.2	5	GACAAAAGCAGAT	A GCA-	A
	TAGTGCAGTTA			GCACTTTG	TAAGGTGCATCT GT GTT	
					GTTTCACGTAGA CG CAG	
					- AAAA	
GAM2608	TAAGGTGCATC LIFR	NM_002310.2	5	AACTGCACTTGCA	TAA----- --- TCT	A
	TAGTGCAGTTA			AGACCATTATCAA	GGT GCA AGTGCAGTT	
					CCA CGT TCACGTCAA	
					AACTATTA GAA ---	
GAM2608	TAAGGTGCATC LZTR1	NM_006767.1	3	CCCCTGCACTATG	T TC TTA	A
	TAGTGCAGTTA			CTCTTG	TAAGG GCA TAGTGCAG	
					GTCTC CGT ATCACGTC	
					- -- CCC	
GAM2608	TAAGGTGCATC MAP3K8	NM_005204.2	5	ACACTGCACTGAG	A T TA	A
	TAGTGCAGTTA			CACTTTA	TAAGGTGC TC AGTGCAGT	
					ATTTCACG AG TCACGTCA	
					- - CA	
GAM2608	TAAGGTGCATC MAP3K8	NM_005204.2	5	CACTGCACTGAGC	A T T	A
	TAGTGCAGTTA			ACTTTA	TAAGGTGC TC AGTGCAGT	
					ATTTCACG AG TCACGTCA	
					- - C	
GAM2608	TAAGGTGCATC MAP4K5	NM_006575.2	3	AAACTGCACTATG	C - A	A
	TAGTGCAGTTA			ATTGCTTTA	TAAGGTG ATC TAGTGCAGTT	
					ATTTCGT TAG ATCACGTCAA	
					T T A	
GAM2608	TAAGGTGCATC MAP4K5	NM_006575.2	3	AACTGCACTATGA	C -	A
	TAGTGCAGTTA			TTTGCTTTA	TAAGGTG ATC TAGTGCAGTT	
					ATTTCGT TAG ATCACGTCAA	
					T T	
GAM2608	TAAGGTGCATC MAPK1	NM_002745.2	3	AGTATGTACTTCA	CT- GTTA	A

	TAGTGCAGTTA				GTGCACCTTA	TAAGGTGCAT	AGTGCA	
						ATTCCACGTG	TCATGT	
						ACT	ATGA	
GAM2608	TAAGGTGCATC MAPK1 TAGTGCAGTTA	NM_002745.2	3	GTATGTACTTCAG TGACACCTTA		CT- TAAGGTGCAT ATTCCACGTG ACT	GTT AGTGCA TCATGT ATG	A
GAM2608	TAAGGTGCATC MASP1 TAGTGCAGTTA	NM_001879.3	3	AACATGCACTAGA TGACAGATTG	GG -	-		A
					TAA TG CATCTAGTGCA GTT AC GTAGATCACGT AG A	GTT CAA A		
GAM2608	TAAGGTGCATC MASP1 TAGTGCAGTTA	NM_001879.3	3	CACTGTTTTCAAT AAATGCACCTTA	C GT----	T		A
					TAAGGTGCAT TA ATTCCACGTA AT A AACTTT	GCAGT TGCA C		
GAM2608	TAAGGTGCATC MASP1 TAGTGCAGTTA	NM_001879.3	3	GAACATGCACTAG ATGACAGATTG	GG -	- A		A
					TAA TG CATCTAGTGCA GTT AC GTAGATCACGT AG A	GTT CAA A G		
GAM2608	TAAGGTGCATC MEF2C TAGTGCAGTTA	NM_002397.2	3	GACCACAATGCAC CTTTGGTTG	T-----	CTA CA		A
					AAGGTGCAT TTCCACGTA GTTGGT	GTG GTT CAC CAG A-- --		
GAM2608	TAAGGTGCATC MMP26 TAGTGCAGTTA	NM_021801.2	3	AACTGAAAGCACT AGAGCAGCCTTG	- A	----		A
					TAAGG TGC TCTAGTGC GTTCC ACG AGATCACG G -	AGTT TCAA AAAG		
GAM2608	TAAGGTGCATC MMP26 TAGTGCAGTTA	NM_021801.2	3	GAAGTGAAGCAC TAGAGCAGCCTTG	- A	----	A	A
					TAAGG TGC TCTAGTGC GTTCC ACG AGATCACG G -	AGTT TCAA AAAG	G	
GAM2608	TAAGGTGCATC MMP3 TAGTGCAGTTA	NM_002422.2	3	GGCTGCTGCTTAG CTTGACCTTG	T- - -			A
					TAAGGTGCA GTTCCACGT TC	CTA GT GCAGTT CG CGTCGG T T		

GAM2608	TAAGGTGCATC MMP3 TAGTGCAGTTA	NM_002422.2	3	GGGCTGCTGCTTA GCTTGACCTTG	T- - - A TAAGGTGCA CTA GT GCAGTT GTTCACGT GAT CG CGTCGG TC T T G	A
GAM2608	TAAGGTGCATC MYD88 TAGTGCAGTTA	NM_002468.2	3	TAGCTGCCATGCA TA CCTGT	CTAGT AGGTGCAT GCAGTTA TCCACGTA CGTCGAT TG C----	A
GAM2608	TAAGGTGCATC NAV2 TAGTGCAGTTA	NM_145117.1	3	GAAGTGCCTACC T TTCTGTTGTACTT T	TC----- A AAGGTGCA TAGTGCAGTT TTTCATGT ATCACGTCAA - TGTCCTCC G	A
GAM2608	TAAGGTGCATC NEDD4 TAGTGCAGTTA	XM_046129.5	3	ACCTGCCTTATGC ACCTTA	CT T TT TAAGGTGCAT AG GCAG ATTCCACGTA TC CGTC T- - CA	A
GAM2608	TAAGGTGCATC NEDD4 TAGTGCAGTTA	XM_046129.5	3	GACCTGCCTTATG CACCTTA	CT T TTA TAAGGTGCAT AG GCAG ATTCCACGTA TC CGTC T- - CAG	A
GAM2608	TAAGGTGCATC NEK2 TAGTGCAGTTA	NM_002497.1	3	AACCCAGTTAGAT GCAATTG	G - CA TAAG TGCATCTAG TG GTT GTTT ACGTAGATT AC CAA A G C-	A
GAM2608	TAAGGTGCATC NFIB TAGTGCAGTTA	NM_005596.1	3	TAACTGACTTTCT TA AGATGCCTTAA	T TG--- AGG GCATCTAG CAGTTA TTC CGTAGATC GTCAAT AA - TTTCA	A
GAM2608	TAAGGTGCATC NLGN1 TAGTGCAGTTA	NM_014932.2	3	TAACTGCAGTAAC T AGAAACCTTT	GCATC- G AAGGT TA TGCAGTTA TTCCA AT ACGTCAAT T AAGACA G	A
GAM2608	TAAGGTGCATC NOX4	NM_016931.2	3	AACTGTTAGATGC	TA---- - GT	A

	TAGTGCAGTTA			ACACTGTTGAT	AG GTGCATCTA GCAGTT	
					TC CACGTAGAT TGTCAA	
				TAGTTG A	--	
GAM2608	TAAGGTGCATC NPY2R NM_000910.2 3	TAAGTGCACTGCA TA	TCTA G	A		
	TAGTGCAGTTA	CTTCT	AGGTGCA GTGCA TTA			
			TTCACGT CACGT AAT			
		TC	---- G			
GAM2608	TAAGGTGCATC NR1I2 NM_003889.2 3	GAACCATTTACAT	CT- CA A	A		
	TAGTGCAGTTA	GCACCTTA	TAAGGTGCAT AGTG GTT			
			ATTCCACGTA TTAC CAA			
			CAT -- G			
GAM2608	TAAGGTGCATC NR1I2 NM_033013.1 3	AACCATTTACATG	CT- CA	A		
	TAGTGCAGTTA	CACCTTA	TAAGGTGCAT AGTG GTT			
			ATTCCACGTA TTAC CAA			
			CAT --			
GAM2608	TAAGGTGCATC NR1I2 NM_033013.1 5	AGCTGTGTAAGCA	ATCTA TG	A		
	TAGTGCAGTTA	CCTTA	TAAGGTGC G CAGTT			
			ATTCCACG T GTCGA			
			AA--- GT			
GAM2608	TAAGGTGCATC OGN NM_014057.2 3	TAAGTGC AAAATA T	TGCATCTAG	A		
	TAGTGCAGTTA	TTTTCTTT	AAGG TGCAGTTA			
			TTCC ACGTCAAT			
		T	TTTTATAAA			
GAM2608	TAAGGTGCATC OGN NM_014057.2 3	TAAGTGC AAGAAT T	GCATCTAG	A		
	TAGTGCAGTTA	TAAATCTTC	AAGGT TGCAGTTA			
			TTCTA ACGTCAAT			
		C	AATTAAGA			
GAM2608	TAAGGTGCATC OTX2 NM_021728.2 3	TGATTGTCCTAGA TAA	TG	A		
	TAGTGCAGTTA	TGCACTACT	GGTGCATCTAG CAGTTA			
			TCACGTAGATC GTTAGT			
		TCA	CT			
GAM2608	TAAGGTGCATC PACSIN1 NM_020804.1 3	AAGCTGGCAATCT	TCTAG - A	A		
	TAGTGCAGTTA	GCACCTTG	TAAGGTGCA TGC AGTT			
			GTTCACGT ACG TCGA			
			CTA-- G A			

GAM2608	TAAGGTGCATC TAGTGCAGTTA	PACSIN1	NM_020804.1	3	AGCTGGCAATCTG CACCTTG	TCTAG - TAAGGTGCA TGC AGTT GTTCCACGT ACG TCGA CTA-- G	A
GAM2608	TAAGGTGCATC PAG TAGTGCAGTTA		NM_018440.2	3	TGACATCCTTTAT AGGCACCTTA	ATC TGCA- TAAGGTGC TAG GTTA ATTCCACG ATT CAGT GAT TCCTA	A
GAM2608	TAAGGTGCATC PDE4D TAGTGCAGTTA		NM_006203.1	3	AATTTTACTTGCA CCTTA	TCT C TAAGGTGCA AGTG AGTT ATTCCACGT TCAT TTAA --- T	A
GAM2608	TAAGGTGCATC PDE4D TAGTGCAGTTA		NM_006203.1	3	GAATTTTACTTGC ACCTTA	TCT C A TAAGGTGCA AGTG AGTT ATTCCACGT TCAT TTAA --- T G	A
GAM2608	TAAGGTGCATC PDGFRB TAGTGCAGTTA		NM_002609.2	3	ACCCTGCATTGCA GGTTGGCACCTTA	-- -- TTA TAAGGTGC ATCT AGTGCAG ATTCCACG TGGA TTACGTC GT CG CCA	A
GAM2608	TAAGGTGCATC PELO TAGTGCAGTTA		NM_015946.3	3	TGGCTACACTAGA TATTTTG	GC C TAAGGT ATCTAGTG AGTTA GTTTTA TAGATCAC TCGGT -- A	A
GAM2608	TAAGGTGCATC PELO TAGTGCAGTTA		NM_015946.3	5	GACTCGCCACCAC TCTGTGCACCTTC TTGAG	T----- CT ---- - AAGGTGCAT AGT GC AGT TTCCACGTG TCA CG TCA GAGTTC TC CCAC C T G	A
GAM2608	TAAGGTGCATC PIAS3 TAGTGCAGTTA		NM_006099.2	3	TGGCTCATCTCTGC ACCTTT	T TCT C AAGGTGCA AGTG AGTTA	A

					TTCCACGT	TTAC	TCGGT	
				T	C--	-		
GAM2608	TAAGGTGCATC PIR51	NM_006479.2	3	TAGCTTTGTCTAG	AT----	TGC-		A
	TAGTGCAGTTA			TTTATAGCACCTT	TAAGGTGC	CTAG	AGTTA	
				A	ATTCCACG	GATC	TCGAT	
					ATATTT	TGTT		
GAM2608	TAAGGTGCATC PITPN	NM_006224.2	3	ACTGTAGCTAATT	T	T	-----	TA
	TAGTGCAGTTA			CTAGATGCCCTTC	AAGG	GCATCTAG		TGCAGT
					TTCC	CGTAGATC		ATGTCA
				C	-	TTAATCG	--	
GAM2608	TAAGGTGCATC PITPN	NM_006224.2	3	ACTGTAGCTAATT	T-----	T	-----	A
	TAGTGCAGTTA			CTAGATGCCCTTC		AAGG	GCATCTAG	TGC
				AGTATT		TTCC	CGTAGATC	ATG
					TTATGAC	-	TTAATCG	
					T			
					AGT			
					TCA			
					-			
GAM2608	TAAGGTGCATC PKNOX1	NM_004571.2	3	CCACTGCACTCCA	CATCT		TA	A
	TAGTGCAGTTA			TCTTG	TAAGGTG	AGTGCAGT		
					GTTCTAC	TCACGTCA		
					C----	CC		
GAM2608	TAAGGTGCATC PTGFRN	XM_040709.3	3	TGGCTCTCCACTG	A	T	C--	A
	TAGTGCAGTTA			AGCACCTTA	TAAGGTGC	TC	AGTG	AGTTA
					ATTCCACG	AG	TCAC	TCGGT
					-	-	CTC	
GAM2608	TAAGGTGCATC PTPRCAP	NM_005608.1	5	AATGGCTCTGCCC	TC-	T	A	A
	TAGTGCAGTTA			TGCACCTTA	TAAGGTGCA	TAG	GC	GTT
					ATTCCACGT	GTC	CG	TAA
					CCC	T	G	
GAM2608	TAAGGTGCATC PVR	NM_006505.2	3	AACTACTAGATG	GT-		GC	A
	TAGTGCAGTTA			TGAACTTG	TAAG	GCATCTAGT	AGTT	
					GTTC	TGTAGATCA	TCAA	
					AAG	--	A	
GAM2608	TAAGGTGCATC PVR	NM_006505.2	3	AACTACTAGATGT	GT-		GC	A

	TAGTGCAGTTA				GAACCTG	TAAG	GCATCTAGT	AGTT	
						GTTC	TGTAGATCA	TCAA	
						AAG		--	
GAM2608	TAAGGTGCATC RAB30	NM_014488.2	3	AATTGCACTAGGC	TAA-----		AT		A
	TAGTGCAGTTA			ACTCCATGATCTG		GGTGC	CTAGTGCAGTT		
						TCACG	GATCAGTTAA		
					GTCTAGTACC		--		
GAM2608	TAAGGTGCATC RAB5A	NM_004162.3	3	AACTAATAAATGC		C	GTGC		A
	TAGTGCAGTTA			ACCTTA	TAAGGTGCAT	TA	AGTT		
					ATTCCACGTA	AT	TCAA		
						A	AA--		
GAM2608	TAAGGTGCATC RAB5A	NM_004162.3	3	GACTAATAAATG		C	GTGC	A	A
	TAGTGCAGTTA			CACCTTA	TAAGGTGCAT	TA	AGTT		
					ATTCCACGTA	AT	TCAA		
						A	AA--	G	
GAM2608	TAAGGTGCATC RAP1GA1	NM_002885.1	3	GACTGTGATTACA	TA-----	C	-		A
	TAGTGCAGTTA			TGCACCTGCCTTA		AGGTGCAT	TAGT	GCAGTT	
				G		TCCACGTA	ATTA	TGTCAG	
					GATTCCG		C	G	
GAM2608	TAAGGTGCATC RNF18	NM_020358.1	5	GACTGCACTTAGA		--	-		A
	TAGTGCAGTTA			ACTGCATTTTG	TAAGGTGCA	TCTA	GTGCAGTT		
					GTTTTACGT	AGAT	CACGTCAG		
						CA	T		
GAM2608	TAAGGTGCATC RNF18	NM_020358.1	5	GGACTGCACTTAG		--	-	A	A
	TAGTGCAGTTA			AACTGCATTTTG	TAAGGTGCA	TCTA	GTGCAGTT		
					GTTTTACGT	AGAT	CACGTCAG		
						CA	T	G	
GAM2608	TAAGGTGCATC ROCK2	NM_004850.2	3	AGACTGTAGATGC		AGT	A		A
	TAGTGCAGTTA			ATTTTA	TAAGGTGCATCT		GCAGTT		
					ATTTTACGTAGA		TGTCAG		
						---	A		
GAM2608	TAAGGTGCATC ROCK2	NM_004850.2	3	GACTGTAGATGCA		AGT			A
	TAGTGCAGTTA			TTTTA	TAAGGTGCATCT		GCAGTT		

ATTTTACGTAGA TGTCAG

GAM2608 TAAGGTGCATC SFRP1 NM_003012.2 3 AGCTGCACTATCA T---- GCATC- A
TAGTGCAGTTA CGAGCCTTTGTTT AAGGT TAGTGCAGTT
TTCCG ATCACGTCGA
TTTGT AGCACT

GAM2608 TAAGGTGCATC SH3BP2 NM_003023.2 3 TGATTTTCTTAG ATCT TGC A
TAGTGCAGTTA CACCTTA TAAGGTGC AG AGTTA
ATTCCACG TC TTAGT
AT-- TTT

GAM2608 TAAGGTGCATC SH3BP4 NM_014521.1 3 AACAAAACCAGTT T A GCA A
TAGTGCAGTTA GCACCTTA TAAGGTGCA CT GT GTT
ATTCCACGT GA CA CAA
T C AAA

GAM2608 TAAGGTGCATC SH3BP5 NM_004844.1 3 ATGCTGCACTAGT TGCAT TA A
TAGTGCAGTTA ATTCTTA TAAG CTAGTGCAGT
ATTCC GATCACGTCG
TTAT- TA

GAM2608 TAAGGTGCATC SH3BP5 NM_004844.1 3 TGCTGCACTAGTA TGCAT T A
TAGTGCAGTTA TTCCTTA TAAG CTAGTGCAGT
ATTCC GATCACGTCG
TTAT- T

GAM2608 TAAGGTGCATC SHMT1 NM_004169.3 5 TGGCGCGCAGAGT T - A A A
TAGTGCAGTTA GCACCTTC AAGGTGCA TCT GTGC GTTA
TTCCACGT AGA CGCG CGGT
C G - -

GAM2608 TAAGGTGCATC SHMT1 NM_148918.1 5 TGGCGCGCAGAGT T----- - A A A
TAGTGCAGTTA GCACCTTCCTGAG AAGGTGCA TCT GTGC GTT
CTC TTCCACGT AGA CGCG CGG
CTCGAGTCC G - -

A

T

GAM2608	TAAGGTGCATC TAGTGCAGTTA	SIM2	NM_005069.2	3	ACACTGTCAATGG ACTGCACCTTG	- G - TA TAAGGTGCA TCTA TG CAGT GTTCACGT AGGT AC GTCA C A T CA	A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	SIM2	NM_005069.2	3	CACTGTCAATGGA CTGCACCTTG	- G - T TAAGGTGCA TCTA TG CAGT GTTCACGT AGGT AC GTCA C A T C	A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	SLC22A7	NM_153320.1	3	TGACTGCACTGGT GGGCCGGC	TAA G T GGT CA CTAGTGCAGTTA CCG GT GGTCACGTCAGT CGG G -	A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	SNX13	NM_015132.2	3	TAACTGCAGAAAT AGCAAATTA	GG ATCTAG TAA TGC TGCAGTTA ATT ACG ACGTCAAT AA ATAAAG	A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	SORCS3	NM_014978.1	3	AACTGCACTAGTG TTTATACCAGCAA	TAA-- ---- T GGT GCA CTAGTGCAGTT CCA TGT GATCAGTCAA AACGA TATT -	A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	SP3	XM_092672.2	3	TAACTGCAGCAGT TCACCTAT	TA CAT AG AGGTG CT TGCAGTTA TCCAC GA ACGTCAAT TA TT- CG	A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	STAM	NM_003473.2	3	TAACTGCATTAGT GGCCATT	TAA G T GGT CA CTAGTGCAGTTA CCG GT GATTACGTCAAT TTA - -	A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	STAM	NM_003473.2	3	TAACTGCATTAGT GGCCATTTTGAAT C	TAA----- G T GGT CA CTAGTGCAGTTA CCG GT GATTACGTCAAT CTAAGTTTTA - -	A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	STAT1	NM_007315.2	3	TAACTGCATTGAG AACTGCATATGT	TAAG -- - GTGCA TCT AGTGCAGTTA	A

					TACGT AGA TTACGTCAAT	
				TGTA	CA G	
GAM2608	TAAGGTGCATC STAT1	NM_007315.2	3	TAAGTGCATTGAG TAAG--	-- -	A
	TAGTGCAGTTA			AACATGCATATGTT	GTGCA TCT AGTGCAGTTA	
				T	TACGT AGA TTACGTCAAT	
				TTTGTA	CA G	
GAM2608	TAAGGTGCATC STK24	NM_003576.2	3	TTTCTGTTGCACC	TCTAGT TTA	A
	TAGTGCAGTTA			TTG	TAAGGTGCA GCAG	
					GTTCCACGT TGTC	
					----- TTT	
GAM2608	TAAGGTGCATC TTC3	NM_003316.2	3	TAAGTGCATTAGA TAA	GCA	A
	TAGTGCAGTTA			AACCATG	GGT TCTAGTGCAGTTA	
					CCA AGATTACGTCAAT	
				GTA	A--	
GAM2608	TAAGGTGCATC TTID	NM_006790.1	3	TAAGTGCAGAAGA	CA AG	A
	TAGTGCAGTTA			CTATCTTA	TAAGGTG TCT TGCAGTTA	
					ATTCTAT AGA ACGTCAAT	
					C- AG	
GAM2608	TAAGGTGCATC TXK	NM_003328.1	3	TAGCTCTTTACAG T	--- A C--	A
	TAGTGCAGTTA			AAAATGCACCTTT	AAGGTGCA TCT GTG AGTTA	
					TTCCACGT AGA CAT TCGAT	
				T	AAA - TTC	
GAM2608	TAAGGTGCATC UBE3A	NM_000462.2	3	TAAGTGCAGCCCT	GCA - ---	A
	TAGTGCAGTTA			CAGAACTTTA	TAAGGT TCT AG TGCAGTTA	
					ATTTCAG AGA TC ACGTCAAT	
					--- C CCG	
GAM2608	TAAGGTGCATC USH2A	NM_007123.3	3	AGACTGGCTGCTG	T - - A	A
	TAGTGCAGTTA			ATGCACCTTG	TAAGGTGCATC AGT GC AGTT	
					GTTCCACGTAG TCG CG TCAG	
					- T G A	
GAM2608	TAAGGTGCATC USH2A	NM_007123.3	3	GACTGGCTGCTGA	T - -	A
	TAGTGCAGTTA			TGCACCTTG	TAAGGTGCATC AGT GC AGTT	
					GTTCCACGTAG TCG CG TCAG	
					- T G	

GAM2608	TAAGGTGCATC WHSC1	NM_133334.1	3	TA	ACTGATAGATG	TAA	GTG		A
	TAGTGCAGTTA			CATTAGA		GGTGCATCTA	CAGTTA		
						TTACGTAGAT	GTCAAT		
				AGA			A--		
GAM2608	TAAGGTGCATC YWHAB	NM_139323.2	3	TA	ACTGCACTCCA	TA	GCATCT		A
	TAGTGCAGTTA			GCCTGG		AGGT	AGTGCAGTTA		
						TCCG	TCACGTCAAT		
				GG		ACC---			
GAM2608	TAAGGTGCATC ZNF195	NM_007152.1	3	A	ATTACTAGAT	GTG--	C		A
	TAGTGCAGTTA			GGAAGACTTG	TAAG	CATCTAGTG	AGTT		
					GTTC	GTAGATCAT	TTAA		
					AGAAG		A		